



ANNUAL REPORT  
ON THE  
HEALTH  
OF THE  
BOROUGH OF CHESTERFIELD,  
FOR 1921,  
BY  
R. P. GARROW,  
M.D., D.P.H.  
MEDICAL OFFICER OF HEALTH.



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# Borough of Chesterfield.

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Health Committee, 1921-1922.

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**Chairman :**

Alderman EDMUNDS, J.P., C.C.

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**Vice-Chairman :**

Alderman LACK, J.P.

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**Members :**

Ald. HOLDEN,

„ SIMS,

„ VARLEY,

Coun. ASHMORE,

„ CROSSLEY,

„ GRAHAM,

„ HARRISON,

Coun. HATTON,

„ KNIGHT,

„ McCREA,

„ PHILPOTT,

„ SYDDALI,

„ WICKS.

*To the Mayor, Aldermen and Councillors of  
the Borough of Chesterfield.*

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Gentlemen,—

I have the honour to submit my Health Report for for the year ending December 31st, 1921.

In Circular 269, the Minister of Health directs that Annual Reports of a full and detailed character—referred to as “ **Survey Reports** ” will normally be required at intervals of not more than five years, while in the intervening years Medical Officers of Health should prepare annual reports of a more simple character—referred to as “ **Ordinary Reports.** ” It is further directed that the annual reports of 1919 and 1920 are to be treated as “ Survey Reports.” This report for 1921 is therefore the first of a series of “ Ordinary Reports,” and its contents are arranged in accordance with the Ministry’s suggestions.

The Medical Officer of Health, Dr. R. Fraser, resigned, and his successor, Dr. R. P. Garrow, commenced duty in April, 1921.

The extension of the Borough in the previous November increased the acreage from 2,643 to 8,484, and the population from 37,406 to 61,236, with twelve wards in the extended Borough as against four in the old Borough. This extension, together with the erection of a new Municipal Maternity Home (18 beds), Infants’ Hospital (10 cots), Ante-Natal Clinic and Child Welfare Centre to be opened on July 19th, 1922, have necessitated a re-organisation of the work of the Health Department and will require the appointment of an Assistant Medical Officer for Maternity and Child Welfare work, who will also act as Assistant School Medical Officer.

The Vital Statistics for 1921 are the most favourable in the history of the Borough, the general death rate of 11.5 per thousand inhabitants and the infant mortality rate of 81 per thousand births being the lowest ever recorded.

I have the honour to be,

Mr. Mayor and Gentlemen,

Your obedient Servant,

R. P. GARROW.

## 1. General Statistics.

Area (acres)—8,484.

Population (1921)—61,236.

Number of Inhabited Houses (1921)—12,838.

Number of families or separate occupiers (1921)—13,210.

Rateable Value—£238,974.

Sum represented by a Penny Rate—£820

## 2. Extracts from Vital Statistics of the Year.

Births :—	Total	M.	F.		
Legitimate	1,638	815	823	} Birth Rate (R.G.)	27.3
Illegitimate	64	32	32		
Deaths ...	716	377	339	Death Rate (R.G.)	11.5

Number of women dying in,	} from sepsis ...	0
or in consequence of, child-		
birth ... ..		
	} from other causes 2	

Deaths of infants under one year of age per 1,000	
births :—Legitimate, 75 : illegitimate, 234 ;	
Total ...	81

Deaths from Measles (all ages) ...	2
Deaths from Whooping Cough (all ages) ...	7
Deaths from Diarrhoea (under 2 years of age) ...	23

There has been no unusual or excessive mortality from any special cause during the year requiring comment,



### 3. Notifiable Diseases during the Year.

<i>Disease,</i>	<i>Total Cases Notified.</i>	<i>Cases admitted to Hospital.</i>	<i>Total Deaths.</i>
Diphtheria ... ..	128	75	5
Scarlet Fever ... ..	100	66	1
Enteric Fever (including paratyphoid) ... ..	5	5	1
Puerperal Fever ... ..	3	—	—
Measles ... ..	323	5	2
Enteritis ... ..	47	2	23
Erysipelas ... ..	18	3	—
Pneumonia ... ..	42	—	62
Ophthalmia Neonatorum	16	1	—
Encephalitis Lethargica	1	1	1
Acute Poliomyelitis ...	2	—	—
*Tuberculosis :—			
(a) Pulmonary { M.	45	—	26
F.	51	—	25
Total.	96	—	51
(b) Non- { M.	10	—	5
Pulmonary { F.	7	—	11
Total.	17	—	16

Ophthalmia Neonatorum	CASES.			Vision unim- paired.	Vision impaired	Total Blind- ness.	Deaths
	Notified	Treated.					
		At Home.	In Hospital				
16	15	1	16	—	—	—	

\*—Deaths of non-notified cases of tuberculosis numbered ten. No action was taken,

#### 4. Causes of Sickness.

There were no causes of sickness or invalidity requiring special note in the district during the year.

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#### 5. Summary of Nursing Arrangements, Hospitals, and other Institutions, available for the District.

##### Professional Nursing in the Home.

- (a) **General.** The nursing of general Medical and Surgical cases at home is carried out by the Chesterfield District Nursing Association—a voluntary organisation.
- (b) **Infectious Diseases, Measles, Etc.** Measles and other infectious diseases including Ophthalmia Neonatorum are nursed by the Chesterfield District Nursing Association, for which a subsidy of £225 is paid by the Local Authority.

##### Midwives.

The Local Authority does not employ or subsidise any Midwives.

There are twenty-one Midwives practising in the district.

##### Clinics and Treatment Centres.

1.—The Maternity and Child Welfare Scheme in 1921 included the following centres for consultation and treatment, provided by the Corporation.

- (a) Ante-Natal Clinic, Thursday afternoons, at the Central Clinic at Lordsmill Street. (Ante-Natal Medical Officer : Dr. Matthews.)
- (b) Infant Consultations, Tuesday and Friday mornings at Central Clinic, Lordsmill Street, by Medical Officer of Health.
- (c) Baby Welcomes, conducted by Health Visitors and Voluntary Workers under the supervision of the Medical Officer of Health.

- (1) Health Office, Saltergate, Monday afternoon (North Ward).
- (2) "The Settlement," Monday afternoon (Central Ward).
- (3) Lordsmill Street, Tuesday afternoon (South Ward).
- (4) Mount Zion Chapel, Brampton, Wednesday afternoon (West Ward).
- (5) Adult School, Whittington Moor, Monday afternoon.
- (6) Adult School, New Whittington, Tuesday afternoon.

(d) **Day Nurseries.** There are no Day Nurseries.

2.—**School Clinic,** provided by the Education Committee, at 59, Saltergate. This includes a Dental Clinic.

3.—**Tuberculosis.** The Tuberculosis Dispensary in Brimington Road is under the County Council.

4.—**Venereal Diseases.** The Centre for the treatment of Venereal Diseases, provided by the County Council, is at the Chesterfield and North Derbyshire Royal Hospital.

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### Work of Health Visitors.

First Visits to Infants	...	...	...	...	1,545
Re-Visits to Infants	...	...	...	...	11,148
First Visits to Expectant Mothers	...	...	...	...	192
Re-Visits to Expectant Mothers	...	...	...	...	76
Sanitary Defects reported to Sanitary Inspectors					155



### Baby Welcomes.

	<i>Number of Infants attending.</i>	<i>Total Attendances of Infants under 1 year.</i>	<i>Total Attendances of Children 1 - 5 years.</i>	<i>Average Attendance.</i>
Health Office (North Ward) ...	105	563	91	11.7
Settlement (Central Ward) ...	75	880	355	18.3
Lordsmill Street (South Ward) ...	153	1552	208	32.3
Mount Zion Chapel (West Ward)	120	1119	352	23.3
Adult School Whittington Moor	178	1707	100	35.5
Adult School New Whittington	74	638	82	13.3
Totals ...	705	6459	1188	

7647

#### Infant Consultations.

331 Infants and Children under five years attended the infant consultation centre during the year, making 850 attendances.

#### Ante-Natal Clinic.

First attendances ...	...	73
Re-attendances ...	...	135
		<hr/> 208 <hr/>

### Baby Week.

A very successful Baby Week was held July 5th to 9th. The County Health Exhibition under Miss Hughes, County Health Visitor, was open daily in the Market Hall. The senior school children attended and heard lectures on subjects of hygiene. The mothers who attend the clinics with infants and children up to five years were entertained to tea at the Skating Rink, when the Mayor distributed prizes won in the various competitions. Over seven hundred mothers with their infants were present.

## Hospitals Provided or Subsidised by the Local Authority or by the County Council.

(1) **Tuberculosis.**

Derbyshire County Sanatorium, Walton, 124 beds for early cases.

Tuberculosis Pavilion, Penmore Hospital, 18 beds for advanced cases.

(2) **Maternity & (3) Children.**

There is in course of erection—to be opened 19th July, 1922—a new Maternity Home (18 beds) and Infants' Hospital (12 beds) belonging to the Corporation.

(4) **Fever.**

Penmore Isolation Hospital—58 beds for Scarlet Fever, Diphtheria, Enteric Fever and other infectious diseases.

(5) **Smallpox.**

Spital Smallpox Hospital has accommodation for 30 patients in buildings of wood and corrugated iron.

**Poor Law Hospital Accommodation.**

Attached to the Workhouse is an Infirmary of 205 beds, and in Ashgate Road, about a mile from the Workhouse, a Children's Home (112 beds). The Guardians provide for unmarried mothers, illegitimate infants and homeless children.

**Voluntary Hospital Accommodation.**

The Chesterfield and North Derbyshire Royal Hospital provides 150 beds for general Medical and Surgical cases.

**Ambulance Facilities.**

(a) **For Infectious Cases.**

Infectious cases are removed in the horse ambulance stationed at Penmore Hospital.

(b) **For Non-Infectious and Accident Cases.**

A motor ambulance, the gift of Alderman Eastwood, is maintained and run by the Watch Committee of the Corporation. Ambulances are also run by several of the collieries and iron-works in the district. The ambulance facilities are adequate for the ordinary needs of the district.

## 6. Laboratory Work.

Bacteriological and Pathological Specimens are sent to the County Laboratory, Derby, and reports on these are received by the Medical Officer of Health and general practitioners in the district. The following is a summary of the numbers sent and the results obtained :—

	<i>From Health Department.</i>		<i>From General Practitioners.</i>		
	<i>Positive.</i>	<i>Negative.</i>	<i>Positive.</i>	<i>Negative.</i>	
Diphtheria ...	28	202	105	154	
Pulmonary Tuberculosis	2	6	23	79	
Enteric Fever	—	—	4	12	
Miscellaneous	83	86	6	8	
Totals ...	113	294	138	253	

Total specimens sent ... 798

Issue of Diphtheria Anti-toxin free from Health Department—244,000 units.

### List of Adoptive Acts, Bye-Laws and Local Regulations relating to Public Health, in force in the District with Date of Adoption.

Bath and Washes Act adopted	...	...	...	1892
Infectious Diseases (Notification Act), 1889, adopted				
October	...	...	...	1890
Infectious Disease (Prevention) Act, 1890, adopted				
November	...	...	...	1890
Public Health Act (Amendment) 1890, adopted				
March	...	...	...	1891
Private Streets Works Act, 1892, adopted				
March				1893



Parts 3, 4, 5, 6 and Sections 15—25, 27—33 Part 2 and 94, 95 of Part 10 of the Public Health Amendment Act, 1907, adopted March	...	1910
Notification of Birth Act, 1907, adopted November		1907
Bye-laws with respect to new Streets and Buildings adopted April	... ..	1891
Bye-laws with respect to Flushing Water Closets adopted July	... ..	1894
Bye-laws with respect to Paving of Yards and Open Spaces in connection with dwelling houses adopted July	... ..	1894
Bye-laws with respect to Slaughterhouses adopted February	... ..	1891
Bye-laws with respect to Nuisances adopted February	... ..	1891
Bye-laws with respect to Dairies, Cowsheds and Milkshops adopted December	... ..	1894
Bye-laws with respect to Common Lodging Houses adopted May	... ..	1905
Bye-laws with respect to Houses Let in Lodgings adopted May	... ..	1905
Bye-laws with respect to Tents, Vans, Sheds, and Similar Structures adopted September	...	1917
The Chesterfield Improvement Act adopted	...	1901
The Chesterfield Corporation Act adopted	...	1914
Bye-laws with respect to Offensive Trades adopted June	... ..	1914

## 7. Sanitary Administration.

Tabular Summary of the Work of the Sanitary Department during the Year.

No. of Complaints investigated	...	593
„ „ Houses inspected	...	127
„ „ Nuisances found	...	1,151
„ „ Nuisances abated	...	928
„ „ Visits to infected houses	...	418
„ „ Houses disinfected	...	294
„ „ Schoolrooms disinfected	...	8
„ „ Inspections of Dairies and Cowsheds	...	91



No. of	Manure Receptacles	...	...	...	...	130
„ „	Saughterhouses and Shops	...	...	...	...	1,596
„ „	Common Lodging Houses	...	...	...	...	41
„ „	Factories and Workshops	...	...	...	...	66
„ „	Drains to New Buildings	...	...	...	...	134
„ „	Inspections of work in progress	...	...	...	...	1,446
„ „	Re-inspections and miscellaneous visits	...	...	...	...	2,305
„ „	Drains tested by smoke or water	...	...	...	...	456
„ „	Inspections of Cinema Houses	...	...	...	...	3
„ „	Samples of Milk for Bacteriological Examination	...	...	...	...	13
„ „	Samples of Water analysed	...	...	...	...	8
„ „	Samples of Air analysed	...	...	...	...	2
Total No. of	Conversions carried out	...	...	...	...	660
						tons cwt qrs lbs.
Amount of diseased and unsound food						
condemned and destroyed	...	10	15	3	25	

Types and numbers of the various Sanitary Conveniences in the Borough according to Wards.

<i>Ward.</i>	<i>Water Closets.</i>	<i>Waste Water Closets.</i>	<i>Privies.</i>	<i>Pails.</i>	<i>Middens.</i>	<i>Fixed Dry Ashpits.</i>	<i>Portable Dust Bins.</i>
Central	1270	70	71	3	36	81	1304
Hasland	542	2	448	—	237	65	448
Holmebrook	919	87	132	1	82	36	970
Moor	536	4	671	14	374	69	318
Newbold	256	—	383	28	230	39	174
New Whittington	399	6	359	14	180	30	271
Old Whittington	240	—	610	65	285	27	147
Rother	542	26	450	—	243	34	526
St. Helen's	492	34	76	—	47	51	440
St. Leonard's	573	8	300	—	141	51	581
Trinity	918	2	219	—	135	86	840
West	517	57	267	5	166	21	539
Totals	7204	296	3986	130	2156	590	6558

## Slaughter Houses.

There are 35 Slaughterhouses in the Borough of which seven are owned by the Corporation. Thirty-one of the Slaughterhouses are licensed annually, while four are registered.

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## Dairies, Cowsheds, and Milkshops Order.

There are 76 Cowkeepers in the Borough housing 580 cows and with a few exceptions all are retailers. In 4 sheds the ventilation and lighting have been improved. In addition there are 41 persons, mostly small shopkeepers, registered as retailers of milk.

Places where food is prepared :—

Fish and Chip Shops	...	43
Bakehouses	... ..	21
Tripe Boilers	... ..	5
Restaurant Kitchens	...	5
		<hr/>
		74
		<hr/>

All have been visited and in no case could fault be found with the condition of the premises.

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## Food and Drugs.

During the year 172 Samples of Food were obtained and analysed by the Borough Analyst, Mr. G. E. Scott-Smith. Of these, 158 or 91.8 per cent. were certified as genuine. 118 of the samples were of milk, of which 13 or 11 per cent. did not comply with the standard adopted by the Board of Agriculture. Five of the samples were deficient in milk fat, six in non-fatty solids, and two were deficient in both fat and non-fatty solids.

Summary of Samples submitted during the year to the Public Analyst :—

<i>Nature of Food.</i>	<i>No. of Samples obtained.</i>	<i>Number Genuine.</i>	<i>Not Genuine.</i>	<i>Prosecutions.</i>	<i>Convictions.</i>	<i>Dismissed.</i>	<i>Cautioned.</i>
Milk ... ..	118	105	13	2	1	1	11
Milk (Skimmed)	1	1	—	—	—	—	—
Cream ... ..	4	3	1	—	—	—	1
Cream (Preserved)	4	4	—	—	—	—	—
Butter ... ..	18	18	—	—	—	—	—
Lard ... ..	10	10	—	—	—	—	—
Pepper ... ..	4	4	—	—	—	—	—
Coffee ... ..	4	4	—	—	—	—	—
Cheese ... ..	3	3	—	—	—	—	—
Cocoa ... ..	2	2	—	—	—	—	—
Mustard ... ..	1	1	—	—	—	—	—
Ground Rice ...	1	1	—	—	—	—	—
Lard Compound	1	1	—	—	—	—	—
Baking Powder	1	1	—	—	—	—	—
Totals ...	172	158	14	2	1	1	12

Prosecutions.

<i>No. of Samples.</i>	<i>Charges.</i>	<i>Result.</i>	<i>Penalty.</i>
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277 Selling milk containing 8.67 per cent. of added water ... .. Convicted Fine £3.  
Costs £1/1.

35 Selling milk containing 13.4 per cent. of added water ... .. Dismissed upon payment of costs.

## Public Health (Milk and Cream) Regulations 1912.

### 1. Milk and Cream not sold as Preserved Cream.

	(a)	(b)
	<i>No. of Samples examined for the presence of a Preservative.</i>	<i>No. in which a Preservative was reported to be present.</i>
Milk ... ..	119	—
Cream ... ..	4	1

Sample No. 20 was a cream which contained a Boron preservative in the proportion of 0.36 per cent. calculated as Boric acid. As the sample was purchased informally, no summary proceedings were taken. The attention of the Vendor was called to the Regulations, which now appear to be adhered to.

### 2. Cream sold as Preserved Cream.

(a) Instances in which samples have been submitted for analysis to ascertain if the statements on the label as to preservatives were correct :—

1. Correct statements made	...	...	4
2. Statements incorrect	...	...	0
			—
Total	...	...	4
			—

(b) Determinations made of milk fat in cream sold as preserved cream :—

1. Above 35 per cent.	...	...	4
2. Below 35 per cent.	...	...	0
			—
Total	...	...	4
			—

The percentage of Boric Acid stated on the declaratory label was in each instance not exceeding 0.4 per cent.

The actual amount found on analysis was as follows :—

0.17      0.28      0.22      0.27,



The following table is a summary of the work done under the Food and Drugs Act.

<i>No. of samples obtained</i>	<i>No. Genuine.</i>	<i>No. Adulterated.</i>	<i>Percentage Adulterated.</i>	<i>Cautioned.</i>	<i>Prosecutions.</i>	<i>Penalty.</i>
172	158	14	8.1	12	2	£5 2 0

During the year 1921 the house refuse removed amounted to 32,008 tons. Of this 10,874 or 33.9 per cent. was dealt with at the destructor, while 21,134 tons were deposited on tips in the district. The refuse from the privy middens is removed in periods not exceeding two months and from the portable dustbins the refuse is collected weekly.

## 8. Public Health Staff.

### Medical Officer of Health.

\*R. P. Garrow, M.D., D.P.H. (who is also Maternity and Child Welfare Medical Officer, School Medical Officer and Police Surgeon).

### Assistant Medical Officers.

Nil at present. An Assistant Medical Officer of Health (Maternity and Child Welfare) and Assistant School Medical Officer is to be appointed in 1922.

### Ante-Natal Medical Officer.

\*J. P. Mathews, M.B., Ch.B. (part time—one session per week).

**Sanitary Inspectors.**

- \*C. E. Wood, C.S.I.
- \*A. S. Carter, C.S.I., Certif. Meat Insp.
- \*C. K. Hale, C.S.I., Certif. Meat Insp.
- \*C. J. Couch, C.S.I., Certif. Meat Insp.

**Health Visitors.**

- \*(Senior) Mrs. J. S. Nicholls, Trained Nurse, C.M.B., Certif. San. Insp., Certif. Queen's Jubilee Inst.
- \*Mrs. Kate Meakin, Trained Nurse, C.M.B.
- \*Miss Edith E. Passey, Trained Nurse, C.M.B. Health Visitor's Certif.
- \*Miss Rebecca M. Coakill, Trained Nurse, C.M.B.
- \*Miss Elsie Cutts, Trained Nurse, C.M.B.

**Clerks.**

Miss K. M. Shaw, Miss R. Tattersall, A. Wood.

**Veterinary Inspector.**

G. Robinson, M.R.C.V.S.

- \* Officers whose salary is paid partly by Exchequer grants.

**9. Housing.**

Number of new houses erected during the year :—

(a) Total ... ..	294
(b) As part of a municipal housing scheme	227

**1.—Unfit Dwelling-houses.**

Inspection.

- (1) Total number of dwelling-houses inspected for housing defects (under Public Health or Housing Acts) ... 765
- (2) Number of dwelling-houses which were inspected and recorded under the Housing (Inspection of District) Regulations, 1910 ... .. 248

(3) Number of dwelling-houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation ... ..	188
(4) Number of dwelling-houses (exclusive of those referred to under the preceding sub-heading) found not to be in all respects reasonably fit for human habitation ... ..	60

## 2.—**Remedy of Defects without Service of Formal Notices.**

Number of defective dwelling-houses rendered fit in consequence of informal action by the Local Authority or their Officers ... ..	—
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## 3.—**Action under Statutory Powers.**

### A. Proceedings under Section 28 of the Housing, Town Planning, Etc. Act, 1919.

(1) Number of dwelling-houses in respect of which notices were served requiring repairs ... ..	188
(2) Number of dwelling-houses which were rendered fit :—	
(a) by owners... ..	134
(b) by Local Authority in default of owners ... ..	19
(3) Number of dwelling-houses in respect of which Closing Orders became operative in pursuance of declarations by owners of intention to close ... ..	—

### B. Proceedings under Public Health Acts.

(1) Number of dwelling-houses in respect of which notices were served requiring defects to be remedied ... ..	577
(2) Number of dwelling houses in which defects were remedied :—	
(a) by owners ... ..	565
(b) by Local Authority in default of owners ... ..	3

C. Proceedings under Sections 17 and 18 of the  
Housing, Town Planning, Etc. Act,  
1909.

(1)	Number of representations made with a view to the making of Closing Orders	1
(2)	Number of dwelling-houses in respect of which Closing Orders were made ...	1
(3)	Number of dwelling-houses in respect of which Closing Orders were determined, the dwelling-houses having been ren- dered fit ... ..	—
(4)	Number of dwelling-houses in respect of which Demolition Orders were made...	3
(5)	Number of dwelling-houses demolished in pursuance of Demolition Orders ...	—





